

Kurt H Riitters

List of Publications by Year in descending order

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Version: 2024-02-01

73
papers

5,349
citations

109264

35
h-index

88593

70
g-index

75
all docs

75
docs citations

75
times ranked

4848
citing authors

#	ARTICLE	IF	CITATIONS
1	GuidosToolbox Workbench: spatial analysis of raster maps for ecological applications. <i>Ecography</i> , 2022, 2022, .	2.1	6
2	A National Multi-Scale Assessment of Regeneration Deficit as an Indicator of Potential Risk of Forest Genetic Variation Loss. <i>Forests</i> , 2022, 13, 19.	0.9	4
3	Cross-Boundary Sustainability: Assessment across Forest Ownership Categories in the Conterminous USA Using the Montral Process Criteria and Indicators Framework. <i>Forests</i> , 2022, 13, 992.	0.9	3
4	An assessment of the sustainability of family forests in the U.S.A.. <i>Forest Policy and Economics</i> , 2022, 142, 102783.	1.5	9
5	The United Statesâ€™ Implementation of the Montral Process Indicator of Forest Fragmentation. <i>Forests</i> , 2021, 12, 727.	0.9	7
6	Using a hybrid demand-allocation algorithm to enable distributional analysis of land use change patterns. <i>PLoS ONE</i> , 2020, 15, e0240097.	1.1	4
7	Effects of terrestrial transport corridors and associated landscape context on invasion by forest plants. <i>Biological Invasions</i> , 2020, 22, 3051-3066.	1.2	11
8	Forest Area Change in the Shifting Landscape Mosaic of the Continental United States from 2001 to 2016. <i>Land</i> , 2020, 9, 417.	1.2	9
9	Conterminous United States land cover change patterns 2001â€“2016 from the 2016 National Land Cover Database. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2020, 162, 184-199.	4.9	391
10	Describing and analyzing landscape patterns: where are we now, and where are we going?. <i>Landscape Ecology</i> , 2019, 34, 2049-2055.	1.9	32
11	Impacts of Nonnative Species on the Health of Natural and Planted Forests. <i>Forests</i> , 2019, 10, 366.	0.9	1
12	Pattern metrics for a transdisciplinary landscape ecology. <i>Landscape Ecology</i> , 2019, 34, 2057-2063.	1.9	39
13	The landscape context of family forests in the United States: Anthropogenic interfaces and forest fragmentation from 2001 to 2011. <i>Landscape and Urban Planning</i> , 2019, 188, 64-71.	3.4	39
14	Landscape correlates of forest plant invasions: A high-resolution analysis across the eastern United States. <i>Diversity and Distributions</i> , 2018, 24, 274-284.	1.9	68
15	Exposure of Protected and Unprotected Forest to Plant Invasions in the Eastern United States. <i>Forests</i> , 2018, 9, 723.	0.9	43
16	A Subcontinental Analysis of Forest Fragmentation Effects on Insect and Disease Invasion. <i>Forests</i> , 2018, 9, 744.	0.9	40
17	An inventory of continental U.S. terrestrial candidate ecological restoration areas based on landscape context. <i>Restoration Ecology</i> , 2017, 25, 894-902.	1.4	11
18	Interpreting multiscale domains of tree cover disturbance patterns in North America. <i>Ecological Indicators</i> , 2017, 80, 147-152.	2.6	32

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19	Determining the size of a complete disturbance landscape: multi-scale, continental analysis of forest change. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 642.	1.3	5
20	GuidosToolbox: universal digital image object analysis. <i>European Journal of Remote Sensing</i> , 2017, 50, 352-361.	1.7	183
21	A global evaluation of forest interior area dynamics using tree cover data from 2000 to 2012. <i>Landscape Ecology</i> , 2016, 31, 137-148.	1.9	91
22	Assessing land clearing potential in the Canadian agriculture-forestry interface with a multi-attribute frontier approach. <i>Ecological Indicators</i> , 2015, 54, 71-81.	2.6	7
23	Forest Monitoring Methods in the United States and Canada. <i>Developments in Environmental Science</i> , 2013, 12, 49-73.	0.5	3
24	Empirical analysis of the influence of forest extent on annual and seasonal surface temperatures for the continental United States. <i>Global Ecology and Biogeography</i> , 2013, 22, 620-629.	2.7	26
25	Decline of forest interior conditions in the conterminous United States. <i>Scientific Reports</i> , 2012, 2, 653.	1.6	67
26	Fragmentation of forest communities in the eastern United States. <i>Forest Ecology and Management</i> , 2012, 263, 85-93.	1.4	70
27	Comparison of cropland and forest surface temperatures across the conterminous United States. <i>Agricultural and Forest Meteorology</i> , 2012, 166-167, 137-143.	1.9	35
28	Global survey of anthropogenic neighborhood threats to conservation of grass-shrub and forest vegetation. <i>Journal of Environmental Management</i> , 2012, 97, 116-121.	3.8	6
29	An environmental assessment of United States drinking water watersheds. <i>Landscape Ecology</i> , 2011, 26, 605-616.	1.9	41
30	Creativity abhors prescription. <i>Landscape Ecology</i> , 2011, 26, 1359-1359.	1.9	1
31	A national assessment of green infrastructure and change for the conterminous United States using morphological image processing. <i>Landscape and Urban Planning</i> , 2010, 94, 186-195.	3.4	186
32	Landscape patterns from mathematical morphology on maps with contagion. <i>Landscape Ecology</i> , 2009, 24, 699-709.	1.9	42
33	A multi-scale method of mapping urban influence. <i>Environmental Modelling and Software</i> , 2009, 24, 1252-1256.	1.9	23
34	Mapping functional connectivity. <i>Ecological Indicators</i> , 2009, 9, 64-71.	2.6	179
35	An indicator of forest dynamics using a shifting landscape mosaic. <i>Ecological Indicators</i> , 2009, 9, 107-117.	2.6	58
36	Temporal change in fragmentation of continental US forests. <i>Landscape Ecology</i> , 2008, 23, 891.	1.9	24

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37	Impact of scale on morphological spatial pattern of forest. <i>Landscape Ecology</i> , 2008, 23, 1107-1117.	1.9	82
38	Detecting Temporal Change in Watershed Nutrient Yields. <i>Environmental Management</i> , 2008, 42, 223-231.	1.2	28
39	Detecting changes in riparian habitat conditions based on patterns of greenness change: A case study from the Upper San Pedro River Basin, USA. <i>Ecological Indicators</i> , 2008, 8, 89-99.	2.6	28
40	Mapping landscape corridors. <i>Ecological Indicators</i> , 2007, 7, 481-488.	2.6	155
41	Mapping Spatial Patterns with Morphological Image Processing. <i>Landscape Ecology</i> , 2007, 22, 171-177.	1.9	449
42	The effect of Appalachian mountaintop mining on interior forest. <i>Landscape Ecology</i> , 2007, 22, 179-187.	1.9	105
43	Patterns of disturbance at multiple scales in real and simulated landscapes. <i>Landscape Ecology</i> , 2007, 22, 705-721.	1.9	44
44	Neutral model analysis of landscape patterns from mathematical morphology. <i>Landscape Ecology</i> , 2007, 22, 1033-1043.	1.9	50
45	Evaluating Ecoregions for Sampling and Mapping Land-cover Patterns. <i>Photogrammetric Engineering and Remote Sensing</i> , 2006, 72, 781-788.	0.3	12
46	True versus perturbed forest inventory plot locations for modeling: a simulation study. <i>Canadian Journal of Forest Research</i> , 2006, 36, 801-807.	0.8	13
47	Preserving biodiversity under current and future climates: a case study. <i>Global Ecology and Biogeography</i> , 2005, 14, 31-38.	2.7	17
48	Hot Spots of Perforated Forest in the Eastern United States. <i>Environmental Management</i> , 2005, 35, 483-492.	1.2	43
49	Evaluating the Relative Roles of Ecological Regions and Land-cover Composition for Guiding Establishment of Nutrient Criteria. <i>Landscape Ecology</i> , 2005, 20, 791-798.	1.9	46
50	Downscaling indicators of forest habitat structure from national assessments. <i>Ecological Indicators</i> , 2005, 5, 273-279.	2.6	24
51	Topographic controls on the regional-scale biodiversity of the south-western USA. <i>Journal of Biogeography</i> , 2004, 31, 1125-1138.	1.4	117
52	A Preliminary Assessment of Monstr�al Process Indicators of Forest Fragmentation for the United States. <i>Environmental Monitoring and Assessment</i> , 2004, 91, 257-276.	1.3	41
53	A Preliminary Assessment of the Monstr�al Process Indicators of Air Pollution for the United States. <i>Environmental Monitoring and Assessment</i> , 2004, 95, 57-74.	1.3	10
54	Use of Road Maps in National Assessments of Forest Fragmentation in the United States. <i>Ecology and Society</i> , 2004, 9, .	1.0	30

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55	Upstream-to-downstream changes in nutrient export risk. <i>Landscape Ecology</i> , 2003, 18, 193-206.	1.9	26
56	Geographic Analysis of Forest Health Indicators Using Spatial Scan Statistics. <i>Environmental Management</i> , 2003, 31, 764-773.	1.2	54
57	How far to the nearest road?. <i>Frontiers in Ecology and the Environment</i> , 2003, 1, 125-129.	1.9	197
58	Distribution and Causes of Global Forest Fragmentation. <i>Ecology and Society</i> , 2003, 7, .	0.9	163
59	GEOGRAPHIC TARGETING OF INCREASES IN NUTRIENT EXPORT DUE TO FUTURE URBANIZATION. , 2002, 12, 93-106.		48
60	Fuzzy Decision Analysis for Integrated Environmental Vulnerability Assessment of the Mid-Atlantic Region 1. <i>Environmental Management</i> , 2002, 29, 845-859.	1.2	135
61	Fragmentation of Continental United States Forests. <i>Ecosystems</i> , 2002, 5, 815-822.	1.6	302
62	Title is missing!. <i>Landscape Ecology</i> , 2001, 16, 301-312.	1.9	306
63	The Consequences of Landscape Change on Ecological Resources: An Assessment of the United States Mid-Atlantic Region, 1973-1993. <i>EcoHealth</i> , 2001, 7, 229-242.	0.2	35
64	LAND COVER AS A FRAMEWORK FOR ASSESSING RISK OF WATER POLLUTION. <i>Journal of the American Water Resources Association</i> , 2000, 36, 1417-1422.	1.0	35
65	Landscape Correlates of Breeding Bird Richness Across the United States Mid-Atlantic Region. <i>Environmental Monitoring and Assessment</i> , 2000, 63, 159-174.	1.3	24
66	NATIONAL LAND-COVER PATTERN DATA. <i>Ecology</i> , 2000, 81, 604-604.	1.5	48
67	Global-Scale Patterns of Forest Fragmentation. <i>Ecology and Society</i> , 2000, 4, .	0.9	261
68	Transitions in forest fragmentation: implications for restoration opportunities at regional scales. <i>Landscape Ecology</i> , 1999, 14, 137-145.	1.9	38
69	Monitoring Environmental Quality at the Landscape Scale. <i>BioScience</i> , 1997, 47, 513-519.	2.2	241
70	A multi-scale analysis of landscape statistics. <i>Landscape Ecology</i> , 1997, 12, 199-212.	1.9	165
71	A note on contagion indices for landscape analysis. <i>Landscape Ecology</i> , 1996, 11, 197-202.	1.9	110
72	Landscape 'Contagion' in Raster and Vector Environments. <i>International Journal of Geographical Information Science</i> , 1996, 10, 891-899.	2.2	14

#	ARTICLE	IF	CITATIONS
73	Evaluating anthropogenic risk of grassland and forest habitat degradation using land-cover data. Landscape Online, 0, 13, 1-14.	0.0	15